

Customer No.: 31561
Application No.: 10/604,571
Docket NO.: 10676-US-PA

In The Specification:

Please amend the following paragraphs as follows:

[0016] In the color filter of the invention, it further includes a common electrode, directly being formed on the BM and the color film layer. Also and, materials of the common electrode includes indium tin oxide (ITO), indium zinc oxide (IZC), and so on.

[0027] FIG. 3 is a cross-sectional view, schematically illustrating the color filter, according to a preferred embodiment of the invention. In FIG. 3, the color filter 200 includes a substrate 202, a BM 204, multiple color film layers 208 and a common electrode 210. Wherein, the BM 204 is disposed on the surface 202a of the substrate 202, and has several grid regions 206 to expose the surface 202a of the substrate 202. The color film layers 208 (red, green, and blue) are disposed within the grid regions 206 of the BM 204. It should be noted that the color filter of the invention need no the planar layer for planarization. The common electrode 210 is directly disposed over the BM 204 and the color film layers 208.

[0029] FIG. 4 is a fabrication process diagram, schematically illustrating the method to fabricate the color filter, according to the preferred embodiment of the invention. In FIG. 3 and FIG. 4, the method for fabricating the color filter 200 includes, first, providing a substrate 202, in step S300. In step S310, the color film layer 208 and the BM 204 are formed over the substrate 202. Wherein, a width a of the overlapping region between the color film layer 208 and the BM 204 is controlled to be 0-6.0 microns, and a thickness b of the color film layer 208 at the overlapping region with the BM 204 is controlled to 0-1.0 microns.

[0035] 1. In the invention, the width and the thickness of the overlapping region between

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the color film and the BM are controlled to be within a proper range, in which width is 0_6.0 microns and thickness is 0_1.0 micron. As a result, the phenomenon of edge mura due to the overlarge difference of thickness for the coating layers can be effectively reduced.

[0036] 2. In the invention, the width and the thickness of the overlapping region between the color film and the BM are controlled to be within a proper range, in which width is 0_6.0 microns and thickness is 0_1.0 micron. Also and, the thickness of the color film is greater than or equal to the thickness of the BM. As a result, the phenomenon of edge mura due to the overlarge difference of thickness for the coating layers can be effectively reduced.